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# **Personal On-line Stock Ticker Monitor**

Detects the onset of advance and decline, quotes  
current price/volume and recent history

**&**

## **Portfolio Management System**

Re-values portfolios automatically

Microcomputer Software  
for Investors  
by

**Micronex, Inc.**



## Tickertec-XPM and Tickertec-PMS

Software programs for microcomputers to help you make more profitable stock transactions and maintain portfolios more efficiently. Designed to be used by:

**Private Investors**  
**Investment Clubs**  
**Presidents & Treasurers of Corporations**  
**Financial Institutions**

**Stock Traders**  
**Investment Advisors<sup>1</sup>**  
**Bank Officials**  
**Owners of microcomputers**

These software programs run on many of the popular microcomputers with a CRT terminal and require only a ticker line to be leased from the NYSE or the AMEX.

*Tickertec-XPM* selects continuously from over 500 stocks the ones that are beginning to advance, monitors these and then tells the user when each is beginning to decline. The computer automatically converts each trade reported on the ticker line to percentage figures allowing it to detect increasing and decreasing percentages. This concept of monitoring has the further advantage that price limits need not be reset every day on hundreds of stocks,

saving the user much time and effort.

*Tickertec-XPM* can also be used to compare each trade on any of the 500 or more stocks against preset price limits and alert the user when exceeded. The latest 15 trades on each stock are stored by the system providing instant access to more detailed information than from most quote machines. All information is stored on a magnetic diskette at the end of the day.

*Tickertec-XPM* provides information in over five convenient display screen formats each of them live, updated continuously.

*Tickertec-PMS* is a companion portfolio management system which runs on the same microcomputer and offers efficient maintenance of several portfolios with automatic re-valuation at the end of each day.

These programs were designed by stock traders and stock brokers and developed by Intersystems Software, Inc. who has been installing stockmarket oriented software since 1977.

### Tickertec-XPM The Intelligent Stock Ticker Machine

Now you can purchase the software that will turn your microcomputer into a stock quotation and ticker monitoring system with advanced alert capabilities never before available on low cost systems. Even a single user can cost justify<sup>2</sup> its many powerful features, ease of use and freedom from daily data base maintenance.

Once you own *Tickertec-XPM* your microcomputer requires merely a simple connection to the slow ticker line, a service available at low cost from the New York Stock Exchange or the American Stock Exchange. You can save all the telephone calls<sup>3</sup> for quotations to your broker, while your system provides you with:

- Alert on advancing or declining stocks**
- Alert on high/low price limit penetration**
- Continuous monitoring of 500 or more stocks**
- A stock's most recent trading history**
- Quotation of key price/volume information<sup>4</sup>**
- Minimal or no daily maintenance**
- Accumulation of price/volume database**

It is the ideal system for the busy executive and investor who needs to have a broad view of the market to see in real time where the action is, yet have access to more detailed information on any stock than most quotation systems can provide. Because the system is connected to a dedicated ticker line, the information is continuously at the fingertips of the user as long as the markets are open.

The most unique feature of *Tickertec-XPM* is its ability to detect from a group of several hundred stocks which ones are beginning to advance or decline and denotes these via an *Alert* display screen. For each trade reported on the ticker the system calculates a ratio of *Price Advance over Average Daily Price Range*. This ratio, called *Normalized Advance*, on all stocks monitored is compared against one *Global Limit*. Any stock exceeding this limit is indicative of that issue advancing more than others. The *Global Limit* can be set to any desired sensitivity.

In a similar manner, the system detects *Normalized Up-Gaps* and *Normalized Up-Tick Volume<sup>5</sup>* with their own set of *Global Limits*. The complement of this capability to detect declining stocks is also available.

NORMALIZED ALERTS										04 09 80	
UP VOL	ADVANCE	UP GAP	DN VOL	DECLINE	DN GAP						
ACB	2.4	2.0	1.08	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACG	2.7	4.38	0.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ASI	0.6	1.0	1.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AUG	5.28	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
BDR	0.2	0.0	0.0	0.7	2.58	0.5	0.0	0.0	0.0	0.0	0.0
BFD	1.2	3.08	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRZ	0.1	0.0	1.08	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COA	2.0	3.08	1.08	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CDT	1.1	1.0	1.08	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CGS	3.6	3.08	1.08	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHK	3.7	2.08	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CID	1.3	2.48	0.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLT	4.48	0.3	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CLM	0.4	1.3	1.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHD	1.4	3.78	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHM	0.4	0.0	0.0	6.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0

BFD APR RGD CLT SFB CUI FCE MFM IBK CRE CRE GDC HND TRC LBN BLN

REQUEST:..

#### Normalized Alerts

Of the 500 or more symbols monitored when any one exceeds a global limit it is automatically placed on a special screen called *Normalized Alerts*. This feature makes practical the monitoring of several hundred issues at a time and it provides a market activity indication.

All of the advance/decline and up-gap/down-gap information is based on the previous day's price history which is stored each day and reloaded into the system for the new trading day. Therefore, there is no need to reset any limits or constants on a daily basis; the system maintains its monitoring effectiveness over long periods.

*Tickertec-XPM* is truly designed as a personal system for the busy executive or part time investor who demands performance comparable to professional quote machines and needs *Tickertec-XPM's* extra features to increase profitability.

TRADING DETAIL										04 09 80	
MND	100	45-7/8	300	45-3/4	200	45-3/4					
	500	45-7/8	200	45-3/4	500	46					
	200	45-3/4	100	45-3/4	300	45-7/8					
	100	45-5/8	1000	45-1/2	200	45-5/8					
	100	45-3/4	300	45-5/8	300	45-3/4					

LAST	HIGH	LOW	4-HL	4-VOL	TRVL	OPEN	4-5/8	CURRENT	PREVIOUS
45-7/8	46	44-1/2	28200	3800	24000	44-5/8			
43-5/8	44	40-5/8	15000	21500	36500	41			

MND BFD APR RGD CLT SFB CUI FCE MFM IBK CRE CRE GDC HND TRC LBN  
TPI 100022 J 42-1/4 MND 10-7/8 M01 100021 BUI 150038 NTK 5-1/2  
RTA 2a26 DFP 3a56 SYD 8-1/8 COA 2a8-5/8 BLN 38-1/2-1/2  
ESN 100022-5/8

REQUEST:..

#### Trading Detail

The *Trading Detail* screen is available for any of the symbols in the database. For the stock symbol MND the most recent 15 trades (volume and price), appear near the top. There were a total of 45 trades. Key price and volume information is displayed for the *current* as well as the *previous* day. Three lines near the bottom of the screen display the ticker information live.

### Highlights of Tickertec-XPM Features

- Automatically extracts and stores quotations on 500 or more<sup>5</sup> symbols on the NYSE or AMEX. Desired stocks are entered only once into the system's database.
- Maintains two separate lists to store the 500 or more symbols. The secondary list provides comparison against price limits while the primary list offers monitoring for advance and decline.
- Checks each trade against separate preset upper and lower price limits.
- Normalizes daily price advance or decline against price history of that stock to produce a "percentage" figure updated after every trade on each stock in the database.
- Normalizes price gaps on upside or downside against price history of that stock to produce a "percentage" figure for any stock in the database that opens with a gap.
- Normalizes up-tick volume and down-tick volume<sup>4</sup> against daily volume history of that stock to produce a "percentage" figure updated after every trade on each stock in the database.
- A total of six global limits allow monitoring of all 500 or more stock simultaneously for advance/decline; up-gap/down-gap; and up-tick volume/down-tick volume. The normalized, or percentage-like parameters generated by the system make this unique monitoring possible without the tedious chore of analyzing and updating hundreds of price and volume limits every day.
- A separate alert screen displays cumulatively any symbol whose normalized parameters violate any global limits. No need to page through hundreds of stock symbols to find the active ones; the system brings them all to you on the same screen instantaneously.
- Displays the history of up to 15 of the most recent trades (price & volume)<sup>4</sup> on all stocks in the database.
- Displays and automatically updates open, high, low, last price, up/down-tick and total volume<sup>4</sup> for the current day and also displays the same information for the previous day on each stock in the database.
- Displays cumulative number of trades for the day on each stock.
- Builds a daily database of the above information on magnetic diskette at the end of the day making it available for further analysis after market closing and for reloading the next day.